

Project Description

This portion of the MD 132 from MD 462 to US 40 project involves rebuilding the existing Traffic Control Signal at the intersection of MD 132 and Paradise Road in Harford County. MD 132 runs east/west.

Controller Operation

An existing eight-phase fully actuated, solid state digital NEMA controller with intersection monitor and harness, battery back-up, housed in an existing pole mounted cabinet are to be utilized at this location.

The intersection is to operate in a NEMA three (3) phase fully actuated mode. The MD 132 approaches shall operate concurrently.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS

MR. DAVID MALKOWSKI
METROPOLITAN DISTRICT ENGINEER
410-321-2810

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2798

MR. GRANDON TOBERY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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ASSISTANT DISTRICT ENGINEER - MAINTENANCE
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ASSISTANT DISTRICT ENGINEER - UTILITIES
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CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
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MR. ROBERT SNYDER
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MR. DAVE SCHWARTZ
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

Phase Chart

	1	2	3	4	5	6	7	8	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	
Phase 2 & 6	G	G	G	G	R	R	R	R	↓ ↑
2 & 6 Change	Y	Y	Y	Y	R	R	R	R	
Phase 4 & 8	R	R	R	R	G	G	G	G	← →
4 & 8 Change	R	R	R	R	Y	Y	Y	Y	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↔ ↔

Equipment List

A. MATERIAL SUPPLIED BY THE STATE HIGHWAY ADMINISTRATION

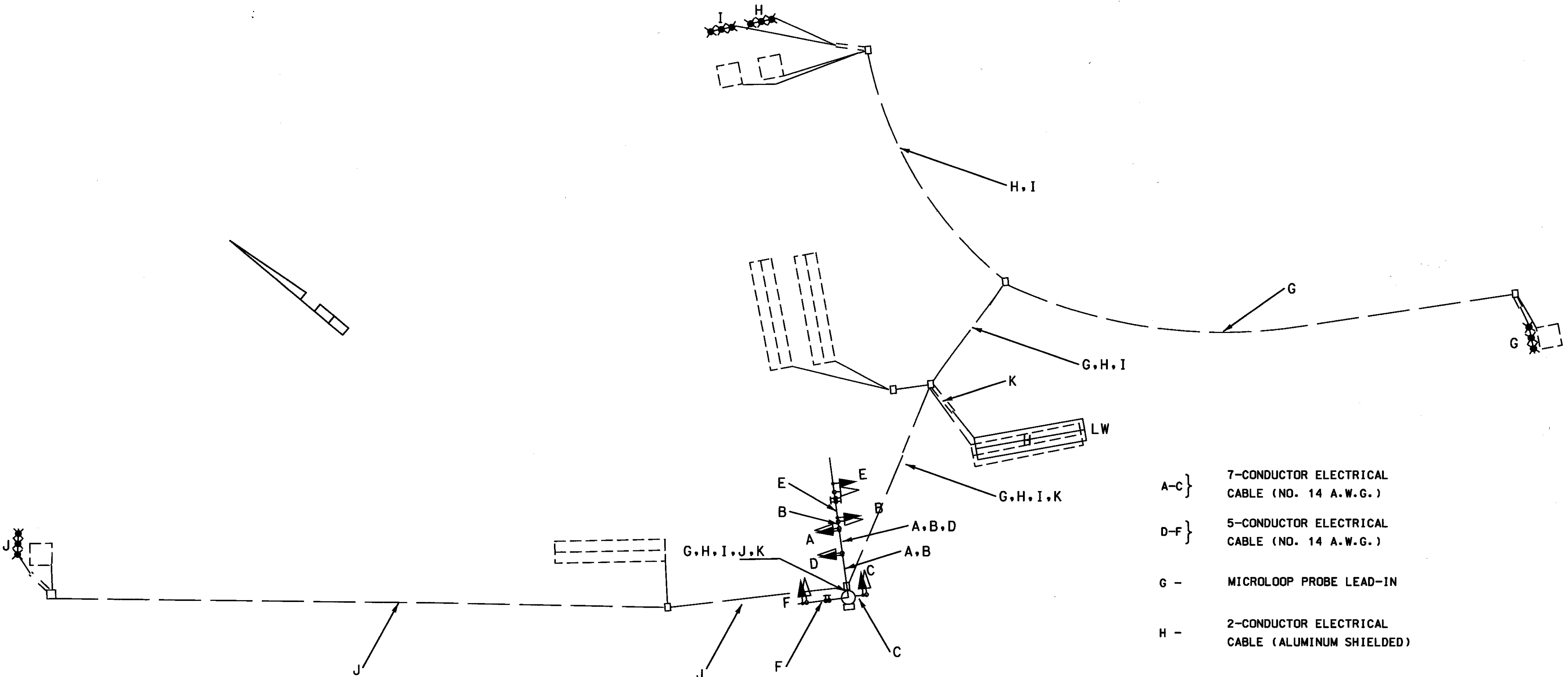
CAT. CODE NO.	QUANTITY	DESCRIPTION
900000	6 SF	FLAT SHEET ALUM. SIGN BLUE OR GREEN (SF)
		D-3(2) "W. Bel Air Ave" Var X 16" Mast Arm Mnt. 1 EA.
		D-3(2) "Paradise Road" Var X 16" Dual Face Mast Arm Mnt. 1 EA.

B. MATERIAL TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CAT. CODE NO.	QUANTITY	DESCRIPTION
120500	LS	MAINTENANCE OF TRAFFIC
500000	16 LF	FURNISH AND INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
800000	18 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
800000	4 EA	FURNISH AND INSTALL MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN
861104	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861107	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
862101	470 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
862102	180 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)

C. MATERIAL TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.



- A-C } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D-F } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G - MICROLOOP PROBE LEAD-IN
- H - 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

CE
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 132 (Bel Air Ave.) & MD 462 (Paradise Road)

DRAWN BY: R.Green	F.A.P. NO. M-7104-(1)	TS NO. 1641 A	SHEET NO. OF
CHECKED BY: M.Marshall	S.A.P. NO. H-800-501-485	T.I.M.S. NO. E086	
SCALE: NONE	COUNTY: HARFORD	LOG MILE: 12013201.16	
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